

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>Jg-2961-PCT</b>	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. <b>PCT/GB2004/001607</b>	International filing date (day/month/year) <b>09/04/2004</b>	(Earliest) Priority Date (day/month/year) <b>14/04/2003</b>
Applicant  <b>SELSDON, Leslie Donald</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001607

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C10M175/00 F16N39/06 B01D39/20 B01J20/20

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C10M F16N B01D B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 679 251 A (JOHNSON CHARLES W ET AL) 21 October 1997 (1997-10-21) column 1, line 40 - column 4, line 30; figures 1-6	1-22
X	EP 0 416 908 A (EXXON RESEARCH ENGINEERING CO) 13 March 1991 (1991-03-13) column 1, line 12 - line 54 column 4, line 51 - column 5, line 17 column 5, line 40 - column 7, line 29; figures 1,2	1-22
X	US 5 225 081 A (BROWNAWELL DARRELL W) 6 July 1993 (1993-07-06) column 1, line 58 - column 2, line 12 column 2, line 53 - line 61 column 12, line 52 - column 13, line 41; figures 5,6; example 1	1-22
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

1 September 2004

Date of mailing of the international search report

08/09/2004

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## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/001607

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 645 597 A (WADA YONEJI) 24 February 1987 (1987-02-24) column 2, line 43 - line 51 column 4, line 20 - line 38; figures 1,9 -----	1-22

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/001607

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5679251	A	21-10-1997	NONE	
EP 0416908	A	13-03-1991	US 5069799 A AU 638053 B2 AU 6219190 A BR 9004416 A CA 2024008 A1 EP 0416908 A2 JP 3174207 A JP 3238699 B2 MX 9203192 A1 US 5225081 A	03-12-1991 17-06-1993 14-03-1991 10-09-1991 08-03-1991 13-03-1991 29-07-1991 17-12-2001 31-03-1994 06-07-1993
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US 4645597	A	24-02-1987	JP 60261520 A JP 1459575 C JP 61000420 A JP 63007809 B JP 1025607 B JP 1543436 C JP 61118109 A EP 0167301 A2 KR 8900460 B1	24-12-1985 28-09-1988 06-01-1986 18-02-1988 18-05-1989 15-02-1990 05-06-1986 08-01-1986 18-03-1989